

WHAT IS CLAIMED IS:

1. An information storage apparatus, operated by an electric power, for holding an information recording medium in a predetermined position and rotating the information recording medium in a predetermined direction to perform at least an information reproduction with respect to the information recording medium, said information storage apparatus comprising:

10 a recognition section for recognizing whether or not said electric power is a power of a predetermined level or more; and

15 a decelerator for decelerating rotation of said information recording medium in a first deceleration mode which consumes a relatively large power, or decelerating the rotation of said information recording medium in a second deceleration mode which consumes a relatively small power, depending upon whether said recognition section recognizes that said electric power is the power of the predetermined 20 level or more, or that said electric power is less than the predetermined level.

25 2. The information storage apparatus according to claim 1, further comprising a driver for driving said information recording medium in said predetermined direction, wherein said decelerator employs, as said second deceleration mode, a deceleration mode for stopping the

driving by said driver to decelerate the rotation of said information recording medium.

3. The information storage apparatus according to
5 claim 1, further comprising:

a driver for driving said information recording medium in said predetermined direction; and

a brake for applying a brake force to said information recording medium to decelerate the rotation,

wherein said decelerator employs a deceleration mode for stopping the driving by said driver to decelerate the rotation of said information recording medium and subsequently operating said brake to further decelerate the rotation of the information recording medium as said second deceleration mode.

4. The information storage apparatus according to
claim 1, further comprising a brake for applying a brake force to said information recording medium to decelerate the
20 rotation,

wherein said decelerator employs, as said second deceleration mode, a deceleration mode for intermittently operating said brake to decelerate the rotation of said information recording medium.

25 5. The information storage apparatus according to
claim 1, further comprising a brake for applying a brake

force to said information recording medium to decelerate the rotation,

wherein said decelerator employs a deceleration mode for intermittently operating said brake to decelerate the rotation of said information recording medium and subsequently continuously operating the brake to further decelerate the rotation of the information recording medium as said second deceleration mode.

6. The information storage apparatus according to claim 1, further comprising a driver for receiving a signal indicating a rotation speed, and driving the information recording medium in said predetermined direction in such a manner that said information recording medium rotates at the rotation speed indicated by the signal,

wherein said decelerator employs, as said second deceleration mode, a deceleration mode for inputting a signal indicating a rotation speed lower than the rotation speed of said information recording medium to said driver to decelerate the rotation of the information recording medium.

7. The information storage apparatus according to claim 1, further comprising a driver for receiving a signal indicating a rotation speed, and driving the information recording medium in said predetermined direction in such a manner that said information recording medium rotates at the rotation speed indicated by the signal,

wherein said decelerator employs a deceleration mode for inputting a signal indicating a rotation speed lower than the rotation speed of said information recording medium to said driver to decelerate the rotation of the information recording medium and subsequently inputting a signal indicating a rotation speed further lower than the rotation speed indicated by the signal to said driver to further decelerate the rotation of said information recording medium as said second deceleration mode.

8. The information storage apparatus according to claim 1, further comprising:

a driver for receiving a signal indicating a rotation speed, and driving the information recording medium in said predetermined direction in such a manner that said information recording medium rotates at the rotation speed indicated by the signal; and

a brake for applying a brake force to said information recording medium to decelerate the rotation,

wherein said decelerator employs a deceleration mode for inputting a signal indicating a rotation speed lower than the rotation speed of said information recording medium to said driver to decelerate the rotation of the information recording medium and subsequently operating said brake to further decelerate the rotation of the information recording medium as said second deceleration mode.

9. An information storage apparatus for holding an information recording medium in a predetermined position and rotating the information recording medium in a predetermined direction to perform at least an information reproduction with respect to the information recording medium, said information storage apparatus comprising:

10 a brake for applying a brake force to said information recording medium to decelerate rotation; and an intermittent braking decelerator for intermittently operating said brake to decelerate the rotation of said information recording medium.

11. The information storage apparatus according to claim 9 wherein said intermittent braking decelerator intermittently operates said brake to decelerate the rotation of said information recording medium, and subsequently continuously operates the brake to further decelerate the rotation of the information recording medium.

20 11. An information storage apparatus for holding an information recording medium in a predetermined position and rotating the information recording medium in a predetermined direction to perform at least an information reproduction with respect to the information recording medium, said information storage apparatus comprising:

25 a driver for receiving a signal indicating a rotation speed, and driving the information recording medium

in said predetermined direction in such a manner that said information recording medium rotates at the rotation speed indicated by the signal; and

5 a signal controlling decelerator for inputting a signal indicating a rotation speed lower than the rotation speed of said information recording medium to said driver to decelerate rotation of the information recording medium.

10 12. The information storage apparatus according to claim 11 wherein said signal controlling decelerator inputs the signal indicating the rotation speed lower than the rotation speed of said information recording medium to said driver to decelerate the rotation of the information recording medium, and subsequently inputs a signal indicating a rotation speed further lower than the rotation speed indicated by the signal to said driver to further decelerate the rotation of said information recording medium.

15 13. The information storage apparatus according to claim 11, further comprising a brake for applying a brake force to said information recording medium to decelerate the rotation,

20 25 wherein said signal controlling decelerator inputs the signal indicating the rotation speed lower than the rotation speed of said information recording medium to said driver to decelerate the rotation of the information recording medium, and subsequently operates said brake to

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further decelerate the rotation of the information recording
medium.